



Dolan Chemical Laboratory
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Water Analysis

Location: Mountaineer Plant

Report Date: 11/5/2012

1st Stage Feed

Sample Number: 124461-001

Date Collected: 10/15/2012 09:10

Date Received: 10/15/2012

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Arsenic, As	23.9	ug/L		0.1	0.03	DPC	10/22/2012 14:47	EPA 200.8
Beryllium, Be	< 0.1	ug/L	U	0.5	0.1	DAM	10/26/2012 17:20	EPA 200.7
Selenium, Se	511	ug/L		0.5	0.1	DPC	10/22/2012 14:47	EPA 200.8
Aluminum, Al	0.0476	mg/L		0.001	0.0003	DPC	10/22/2012 14:47	EPA 200.8
Boron, B	278	mg/L		0.01	0.002	DAM	10/26/2012 17:20	EPA 200.7
Iron, Fe	0.431	mg/L		0.01	0.002	DAM	10/26/2012 17:20	EPA 200.7
Total Kjeldahl Nitrogen, TKN as N	5.37	mg/L		0.5	0.1	DMM	10/19/2012	EPA 351.2
Nitrate-Nitrite, NO3-NO2 as N	17.6	mg/L		6	1	TDF	10/26/2012 13:39	EPA 300.1
Phosphorus, Total, P	0.21	mg/L		0.05	0.01	DMM	10/19/2012	EPA 365.4
Residue, Filterable, TDS	14900	mg/L		20	6	MSO	10/18/2012	SM20 2540C
Sulfate, SO4	6080	mg/L		50	20	CRJ	10/26/2012	EPA 300.1

Bioreactor Effluent

Sample Number: 124461-002

Date Collected: 10/15/2012 09:10

Date Received: 10/15/2012

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Arsenic, As	2.25	ug/L		0.1	0.03	DPC	10/22/2012 14:52	EPA 200.8
Beryllium, Be	< 0.1	ug/L	U	0.5	0.1	DAM	10/26/2012 17:27	EPA 200.7
Selenium, Se	0.9	ug/L		0.5	0.1	DPC	10/22/2012 14:52	EPA 200.8
Aluminum, Al	3.20	mg/L		0.001	0.0003	DPC	10/22/2012 14:52	EPA 200.8
Boron, B	278	mg/L		0.01	0.002	DAM	10/26/2012 17:27	EPA 200.7
Iron, Fe	2.06	mg/L		0.01	0.002	DAM	10/26/2012 17:27	EPA 200.7
Total Kjeldahl Nitrogen, TKN as N	3.28	mg/L		0.5	0.1	DMM	10/19/2012	EPA 351.2
Nitrate-Nitrite, NO3-NO2 as N	< 1	mg/L	U	6	1	TDF	10/26/2012 13:59	EPA 300.1
Phosphorus, Total, P	0.08	mg/L		0.05	0.01	DMM	10/19/2012	EPA 365.4
Residue, Filterable, TDS	14300	mg/L		20	6	MSO	10/18/2012	SM20 2540C
Sulfate, SO4	6150	mg/L		50	20	CRJ	10/26/2012	EPA 300.1

Location: Mountaineer Plant

Report Date: 11/5/2012

U: Analyte was analyzed and not detected at or above adjusted Method Detection Limit
J: Analyte was positively identified, though the quantitation was below Reporting Limit.



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THIS TEST REPORT RELATES ONLY TO THE ITEMS TESTED AND SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF THE LABORATORY. ALL TEST RESULTS MEET ALL OF THE REQUIREMENTS OF THE ACCREDITING AUTHORITY, UNLESS OTHERWISE NOTED.